355359080331701 Local number DV-025, NC-142

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite(Unknown Age)

Davie County, NC

LOCATION.--Lat 35°53′59″, long 80°33′16″ referenced to North American Datum of 1983, Davie County, NC, Hydrologic Unit 03040102, 0.5 mi northeast of Mocksville on U.S. Highway 158 at B.C. Brocks Community Center. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, drilled to 30.8 ft, diameter 6 in., cased to 30.8 ft, open end, backfilled with gravel from 20 to 30.8 ft.

DATUM.--Land-surface datum is 835 ft above NGVD of 1929 (from topographic map). Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

REMARKS.--In October 1982, well replaced nearby NC-110. Well is part of terrane-effects network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.64 ft below land-surface datum, Mar. 28, 1993; lowest water level recorded, 23.22 ft below land-surface datum, Aug. 23, 24, 25, 26, 2002.

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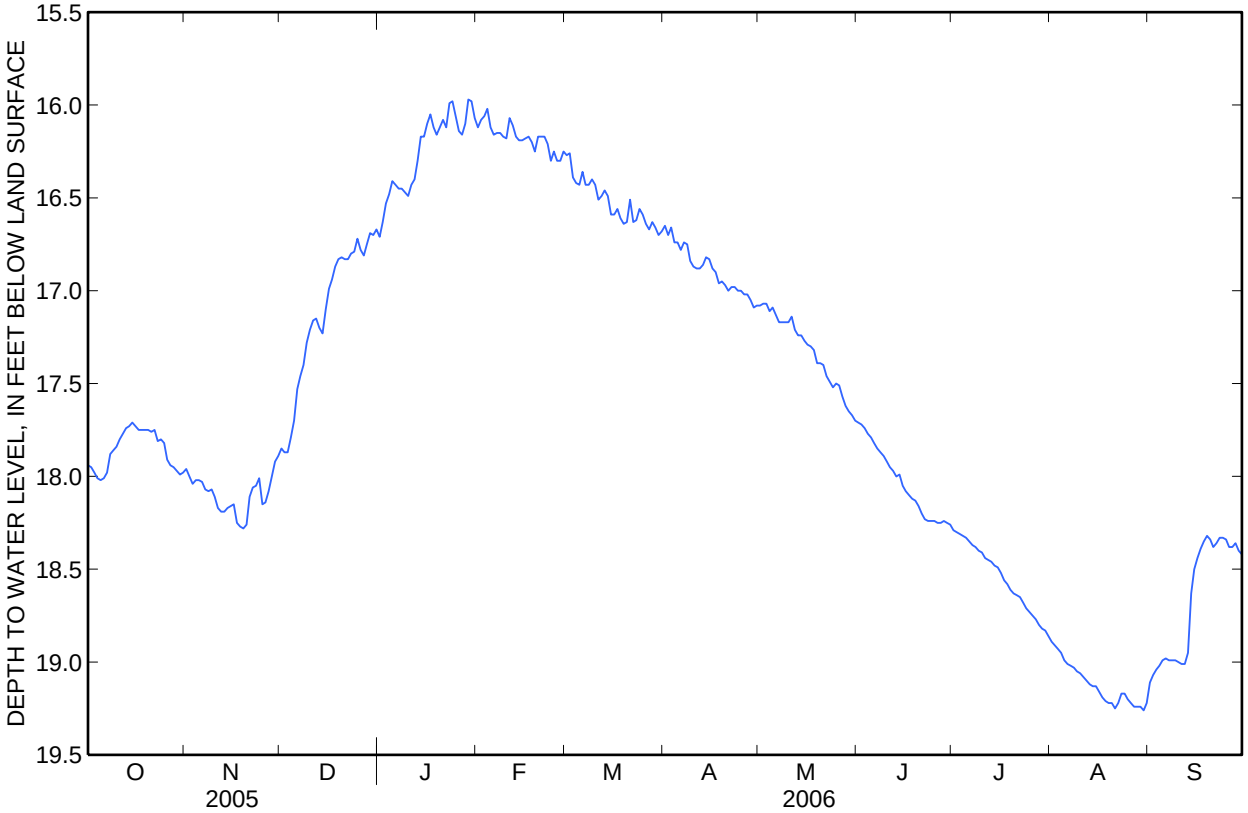
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17.94	17.96	17.85	16.71	16.12	16.27	16.65	17.08	17.71	18.29	18.89	19.11
2	17.95	18.00	17.87	16.63	16.08	16.26	16.70	17.07	17.72	18.30	18.91	19.07
3	17.98	18.04	17.87	16.53	16.06	16.39	16.66	17.07	17.74	18.31	18.93	19.04
4	18.01	18.02	17.79	16.48	16.02	16.42	16.74	17.11	17.77	18.32	18.95	19.02
5	18.02	18.02	17.70	16.41	16.12	16.43	16.74	17.09	17.79	18.33	18.99	18.99
6	18.01	18.03	17.53	16.43	16.16	16.36	16.78	17.13	17.82	18.35	19.01	18.98
7	17.98	18.07	17.46	16.45	16.15	16.43	16.74	17.17	17.85	18.37	19.02	18.99
8	17.88	18.08	17.40	16.45	16.15	16.43	16.75	17.17	17.87	18.38	19.03	18.99
9	17.86	18.07	17.28	16.47	16.17	16.40	16.84	17.17	17.89	18.40	19.05	18.99
10	17.84	18.11	17.21	16.49	16.18	16.43	16.87	17.17	17.92	18.41	19.06	19.00
11	17.80	18.17	17.16	16.43	16.07	16.51	16.88	17.14	17.95	18.44	19.08	19.01
12	17.77	18.19	17.15	16.40	16.11	16.49	16.88	17.21	17.97	18.45	19.10	19.01
13	17.74	18.19	17.20	16.30	16.17	16.46	16.86	17.24	18.00	18.46	19.12	18.95
14	17.73	18.17	17.23	16.17	16.19	16.49	16.82	17.24	17.99	18.48	19.13	18.63
15	17.71	18.16	17.10	16.17	16.19	16.59	16.83	17.27	18.05	18.49	19.13	18.50
16	17.73	18.15	16.99	16.10	16.18	16.59	16.88	17.29	18.08	18.52	19.16	18.44
17	17.75	18.25	16.94	16.05	16.17	16.56	16.90	17.30	18.10	18.56	19.19	18.39
18	17.75	18.27	16.87	16.12	16.20	16.61	16.96	17.32	18.12	18.58	19.21	18.35
19	17.75	18.28	16.83	16.16	16.25	16.64	16.95	17.39	18.13	18.61	19.22	18.32
20	17.75	18.26	16.82	16.12	16.17	16.63	16.97	17.39	18.16	18.63	19.22	18.34
21	17.76	18.11	16.83	16.08	16.17	16.51	17.00	17.40	18.20	18.64	19.25	18.38
22	17.75	18.06	16.83	16.12	16.17	16.63	16.98	17.46	18.23	18.65	19.22	18.36
23	17.81	18.05	16.80	15.99	16.21	16.62	16.98	17.49	18.24	18.68	19.17	18.33
24	17.80	18.01	16.79	15.98	16.30	16.56	17.00	17.52	18.24	18.71	19.17	18.33
25	17.82	18.15	16.72	16.06	16.25	16.59	17.00	17.50	18.24	18.73	19.20	18.34
26	17.91	18.14	16.78	16.14	16.30	16.64	17.02	17.51	18.25	18.75	19.22	18.38
27	17.94	18.08	16.81	16.16	16.30	16.67	17.02	17.57	18.25	18.77	19.24	18.38
28	17.95	18.00	16.75	16.10	16.25	16.63	17.05	17.62	18.24	18.80	19.24	18.36
29	17.97	17.92	16.69	15.97	---	16.66	17.09	17.65	18.25	18.82	19.24	18.40
30	17.99	17.89	16.70	15.98	---	16.70	17.08	17.67	18.26	18.83	19.26	18.42
31	17.98	---	16.67	16.07	---	16.68	---	17.70	---	18.86	19.22	---
Mean	17.86	18.10	17.12	16.25	16.17	16.53	16.89	17.33	18.03	18.55	19.12	18.66
Max	18.02	18.28	17.87	16.71	16.30	16.70	17.09	17.70	18.26	18.86	19.26	19.11
Min	17.71	17.89	16.67	15.97	16.02	16.26	16.65	17.07	17.71	18.29	18.89	18.32

	Water Year 2006
Mean	17.56
High	15.97
Low	19.26

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